

13/10/17
cmt

casing halves 120a. Further, the flange 110b of the other casing half 110a is provided with bolt holes 110c. In order to joint two casing halves 110a and 120a, the fastening bolts 115 are inserted into the bolt holes 110c of the flanges 110b of the casing half 110a and the threads 115a of the bolt 115 are screwed into the threaded bolt holes 120c on the flanges 120b of the casing half 120a until the bolt heads 115d are pressed against the upper face of the flange 110b. By tightening the fastening bolt 115, the flanges 110b and 120b are firmly pressed against each other by the bolt heads 115d and the screw threads 115a of the bolt 115. In this condition, the tensile force is generated on the shaft of the bolt by tightening the bolt 115. The reaction force of the shaft tensile force is exerted on the upper face of the flange 110b through the bolt heads 115d and also on the screw threads of the threaded bolt holes 120c in the opposite direction. Due to these reaction forces, the flanges 110b and 120b are pressed against each other.

IN THE CLAIMS

Please amend Claims 1, 2 and 4 as shown in the marked-up copy following this amendment. A clean copy as amended appears below.

1. (Twice Amended) A fastening arrangement for a split casing assembled by fastening a plurality of casing segments, comprising:

13/10/17
cmt

a first and a second casing segment assembled together by joining joint faces of the respective segments, said first and second casing segments are provided with bolt holes in such a manner that the bolt hole of the first casing segment and the bolt hole of the second casing segment align with each other and, when the first and the second casing segments are assembled together, form a continuous bolt hole crossing the joint faces and extending tangentially in walls of both casing segments, the walls of the casing segments separating an

interior of a hollow casing from an exterior of the hollow casing, and at least the bolt hole in the first casing segment is provided with an external screw thread;

a sleeve having an external screw thread and being fitted into the bolt hole of the first casing segment by engaging the external screw thread of the sleeve with the internal screw thread of the bolt hole of the first casing segment; and

a fastening bolt provided with fastening means and passing through the bolt hole of the first casing segment and the sleeve therein, wherein said fastening means abuts an end of the sleeve opposite to the joint face and, when a tensile force is exerted on the fastening bolt at the portion between the fastening means and the second casing segment, the tensile force is first transferred from the fastening bolt to the sleeve through the abutment of the fastening means and the end face of the sleeve, then transferred from the sleeve to the first casing segment through the engagement of the external screw thread of the sleeve and internal screw thread of the bolt hole and generates a fastening force for pressing the first casing segment against the second casing segment.

2. (Twice Amended) A fastening arrangement for a horizontally split type hollow casing for a hydraulic machine in which the casing of the hydraulic machine is assembled by fastening two casing halves, comprising:

a first and a second casing half assembled together by joining joint faces of the respective casing halves, said first and second casing halves are provided with bolt holes in such a manner that the bolt hole of the first casing half and the bolt hole of the second casing half align with each other and, when the first and the second casing halves are assembled together, form a continuous bolt hole crossing the joint faces and extending tangentially in walls of both casing halves, the walls of the casing halves separating an interior of the split type hollow casing from an exterior of the split type hollow casing, said bolt holes in the first and the second casing halves are provided with internal screw threads;